

AD/TD Joint Projects Meeting
Wednesday, 26 May 2004, 10:30 AM
Hermitage Conference Room

Present: Paul Czarapata, John Carson, Peter Garbincius, Cons Gattuso, Dave Harding (scribe), Gregg Kobliska, Jeff Spalding, Rich Stanek

Notable Achievements or Problems

LEP corrector coil replacements

For the shutdown the Recycler needs 9 vertical and 4 horizontal magnets. Delivery in the middle of the shutdown is acceptable. The conductor requisition has been signed. The winding tooling is set up and a small quantity of wire has been found left over from another project. This should be enough to start learning to wind with the new machine. The potting molds are on order and due in mid-June. The plan will be to start with vertical coils and fill up the vertical mold (10 coils). While potting those, winding will proceed with horizontal coils. If we get delivery of the conductor by early August, we should be OK. If not, we will have to decide priorities.

WQB (wide aperture Main Injector quad)

The steel requisition has been signed. Design work is proceeding. Conductor will need to be purchased this year rather than deferring it till next year, as the material in Fermilab inventory does not have a larger enough water passage. The other FY04 procurements are also necessary to maintain the schedule in FY05.

IQD woes continue

A new interference was discovered when the first magnet was being assembled. The issue is being dealt with, but it all takes time. There are two spares available, one at MI-60 and one at TPL.

Ceramic beam tubes (various)

The order has been placed for six long tubes. The mandrel for making the molds arrived, was inspected, and was delivered to the tube vendor.

The vendor is looking at released drawings for the Debuncher tubes. Those have the highest priority, as the plan is to install them during the 2004 shutdown. The schedule is tight. The Covar flanges and the contract for brazing them onto the beam tubes need to be in hand when the bare tubes arrive. We may need to fabricate a die to form the flanges. There is thought to be very little risk in reworking the existing Debuncher kickers to remove RTV and make room for the larger beam tubes.

The Booster kicker beam tubes are on the back burner for the moment. They will require construction of ten new kickers (of the current design) to take full advantage of the increased aperture. TD is assuming that the target is the 2005 shutdown.

M&S Task Numbers, funds

New project, task number structure

No news.

Separator task numbers

Jeff met with TJ to straighten out the task numbers and descriptions on the separator jobs.

Fund transfers

The agreement is that fund transfers from AD to TD to cover M&S expenses will happen on a regular basis, probably monthly.

New jobs

MuCool

TD has received a request for assistance with the beam line. No TD funds are available this year. Conceptual design work can continue, but TD will not attempt to build new magnets for spring 2005.

Priorities

Priority numbers

Jeff met with TJ to assign enter priority numbers according to the new scheme, but something has been lost in the translation. The posted list does not make sense in a number of places. Jeff will review.

Reports, updates

Jeff still needs to look at the reports and data entry on TJ's job list database.

Next Meeting: Wednesday, 9 June 2004, 10:30 AM

Hermitage Videoconference Room (ICB)

Special topic: separators